

AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) An electronic whiteboard ~~comprising: with a built-in electromagnetic induction layer of wire lattice comprising: a writing input portion, a covering frame portion formed around the periphery of the writing input portion, and a control circuit; wherein the writing input portion has multiple layers and is enclosed in the frame; the writing input portion includes a surface writing layer, an underlayer and an input induction layer which is formed between the surface writing layer and the underlayer, and is connected to the control circuit by its output, characterized in that the induction layer is a wire lattice wound and interlaced separately by wires along the X and Y axes, the wires are insulated with each other at the crossing points, and an space formed within each lattice unit constitutes one induction cell.~~
a writing input portion having a surface writing layer, an under layer, an input induction layer disposed between said surface writing layer and said under layer, and an output;
a control circuit connected to said output of said writing input portion; and
a covering frame formed around peripheries of said writing input portion;
wherein said input induction layer has a plurality of electromagnetic induction layers overlaid one another and each electromagnetic induction layer has a wire lattice comprising:
first wires wound on said wire lattice, each of said first wires being wound with multiple turns to form a plurality of latitudes across said wire lattice;

- second wires interlaced with said first wires, each of said second wires being wound with multiple turns to form a plurality of longitudes across said wire lattice; and
- a plurality of induction cells each induction cell being a space surrounded by two adjacent longitudes and two adjacent latitudes;
- and wherein said first wires and second wires are insulated from one another and the induction cells of one electromagnetic induction layer overlay and interlace with the induction cells of another electromagnetic induction layer.
2. (Currently Amended) The electronic whiteboard ~~with a built-in electromagnetic induction layer of wire lattice~~ according to claim 1, wherein ~~the area of~~ said input induction layer covers an area which is the same as or smaller than ~~those the areas covered by of the said surface~~ writing layer and said the underlayer, i.e., the induction layer is entirely or partially sandwiched between the writing layer and the underlayer.
3. (Currently Amended) The electronic whiteboard ~~with a built-in electromagnetic induction layer of wire lattice~~ according to claim 2, wherein the said input induction layer ~~which is smaller than the area of the writing layer and the underlayer~~ is positioned at one side or in the center of ~~the a writing area~~ scope of the writing said writing input portion.
4. (Currently Amended) The electronic whiteboard ~~with a built-in electromagnetic induction layer of wire lattice~~ according to claim 1, wherein a shielding layer is provided behind said input ~~the induction layer in order to enhance the anti-~~

~~interference ability of the device.~~

5. (Currently Amended) The electronic whiteboard ~~with a built-in electromagnetic induction layer of wire lattice~~ according to claim 4, wherein a buffering layer is provided between ~~the~~ said input induction layer and said the underlayer, ~~or between the or between said input~~ induction layer and said the shielding layer.
6. (Currently Amended) The electronic whiteboard ~~with a built-in electromagnetic induction layer of wire lattice~~ according to claim 1, wherein ~~the~~ said first and second wires are entirely covered or coated by an insulating layer ~~on the surface~~.
- 7-8. (Cancelled).
9. (Currently Amended) The electronic whiteboard ~~with a built-in electromagnetic induction layer of wire lattice~~ according to claim 1, wherein ~~more than one induction layer are overlaid together and the induction cells on each induction layer are interlaced one another, and the induction cells on each induction layer are at the same or different intervals~~ the size of each induction cell on one electromagnetic induction layer is different from the size of each induction cell on another electromagnetic induction layer.
10. (Currently Amended) The electronic whiteboard ~~with a built-in electromagnetic induction layer of wire lattice~~ according to claim 1, wherein said the wire lattice is attached and fixed on an insulating membrane ~~by thermal pressing and thermal melting, so as to form a wire electromagnetic induction layer with the insulating membrane~~.

11. (Currently Amended) The electronic whiteboard ~~with a built in electromagnetic induction layer of wire lattice~~ according to claim 10, wherein said the insulating membrane is made of film material.
- 12-15 (Cancelled).
16. (Currently Amended) The electronic whiteboard ~~with a built in electromagnetic induction layer of wire lattice~~ according to claim 1, wherein said control circuit includes circuits for signal amplification, filtering acquisition and data processing, and is provided with a signal output device ~~control circuit~~ and/or a storing device; said signal output device comprises an electrical cable with standard computer data interface or wireless data switching means, ~~i.e. radio frequency transceiver~~; said signal output device connects with a computer and/or a printer, or an external data storing device, or connects with a telephone line by an auxiliary modem.
- 17-18. (Cancelled).
19. (Currently Amended) The electronic whiteboard ~~with a built in electromagnetic induction layer of wire lattice~~ according to claim 1, wherein said the control circuit and the said input induction layer are directly connected ~~in a whole~~, components of ~~said the~~ control circuit are positioned on an ~~the~~ output end of said the wire lattice, and said the control circuit is formed in a ~~the~~ body of the electronic whiteboard.
20. (Currently Amended) The electronic whiteboard ~~with a built in electromagnetic induction layer of wire lattice~~ according to claim 1, wherein the components of the said control circuit are provided on a printed circuit ~~wiring~~ board which is separated

from ~~the~~ said input induction layer; ~~the an~~ output end of ~~said the~~ wire lattice of ~~the~~ said input induction layer is connected to a ~~the~~ corresponding input terminal on the printed circuit board by means of pressure-connection, plug-in connection or welding connection.

21. (Currently Amended) The electronic whiteboard ~~with a built-in electromagnetic induction layer of wire lattice~~ according to claim 20, wherein ~~said the~~ output end of ~~said the~~ wire lattice of said input ~~the~~ induction layer is formed between a hard pressing strip and the printed circuit board; a buffering layer is provided between the hard pressing strip and ~~said the~~ output end of ~~said the~~ wire lattice; and the hard pressing strip, the buffering layer and ~~said the~~ output end of ~~said the~~ wire lattice are overlaid on the printed circuit board by means of ~~the~~ screwing-conjunction; ~~said the~~ output end of ~~said the~~ wire lattice is connected to a ~~the~~ corresponding input terminal on the printed circuit board.

22. (Cancelled).

23. (Currently Amended) The electronic whiteboard ~~with a built-in electromagnetic induction layer of wire lattice~~ according to claim 20, wherein the control circuit is installed outside ~~the a~~ body of said electronic whiteboard, and connected to the body through an ~~the~~ electrical connection means, ~~said the~~ output ~~end~~ of ~~said the~~ wire lattice of ~~said input~~ ~~the~~ induction layer is connected with an ~~the~~ output interface of ~~said input~~ ~~the~~ induction layer by means of pressure-connection, plug-in connection or welding-connection, and an interface matching said output interface ~~the electrical connection means~~ of the induction layer is provided on the control circuit.

24. (Cancelled).

25. (Currently Amended) The electronic whiteboard ~~with a built-in electromagnetic induction layer of wire lattice~~ according to claim 23, wherein ~~said the~~ output interface of ~~said input the~~ induction layer and the interface of the control circuit is a pin-type connection means, or a flexible printed wiring means, or a PIN-PIN connection means, or a welding spot (VGA) thermal-melted connection means, or an ultrasonic welding device, or a solder-plate welding device, or a puncturing connection means.

26-27. (Cancelled).

28. (Currently Amended) The electronic whiteboard ~~with a built-in electromagnetic induction layer of wire lattice~~ according to claim 1, wherein ~~said the~~ writing input portion and ~~said the~~ covering frame around ~~said the~~ writing input portion are is made of flexible and windable material, and ~~the body of~~ the electronic whiteboard is windable and portable.

29-30. (Cancelled).